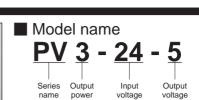
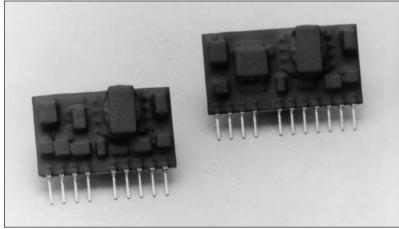
Single in-line DC-DC converter Single output 1.5W/3W

PV-SERIES





Features

- Input/Output isolation
- Single in-line type
- Over current protection
- Adjustable output voltage

■ PV1R5 (1.5W type) Specifications

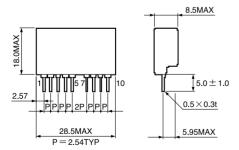
	/ 1							
Model		PV1R5-5-5	PV1R5-5-12 PV1R5-12-5		PV1R5-24-5	PV1R5-48-5		
Input Voltage	Vdc	5VDC (4.5 ~ 9.0V)		12VDC (9 ~ 18V)	24VDC (18 ~ 36V)	48VDC (36 ~ 72V)		
Output Voltage (*1)	Vdc	5V±5% (6V)	12V±5% (15V)	5V±5% (6V)	5V±5% (6V)	5V±5% (6V)		
Output Current (max)	mA	0 ~ 300 (250) 0 ~ 125 (100)		0 ~ 300 (250)	0 ~ 300 (250)	0 ~ 300 (250)		
Output Power (max)	W	1.5	1.5	1.5	1.5	1.5		
Withstand Voltage	_	Input to Output : 500VAC for 1 minute						
Cooling	_	Convection cooling						
Operating Temperature	_	-20 ~ +70°C (-20 ~ +50°C: 100%, +60°C: 70%, +70°C: 40%)						

■ PV3 (3W type) Specifications

Model		PV3-5-5 PV3-5-12		PV3-12-5	PV3-24-5	PV3-48-5		
Input Voltage	Vdc	5VDC (4.5 ~ 9.0V)		12VDC (9 ~ 18V)	24VDC (18 ~ 36V)	48VDC (36 ~ 72V)		
Output Voltage (*1)	Vdc	5V±5% 12V±5% (15V)		5V±5%	5V±5%	5V±5%		
Output Current (max)	mA	0 ~ 600 (500)	0 ~ 250 (200)	0 ~ 600 (500)	0 ~ 600 (500)	0 ~ 600 (500)		
Output Power (max)	W	3.0 3.0		3.0	3.0	3.0		
Withstand Voltage	_	Input to Output : 500VAC for 1 minute						
Cooling	_	Convection cooling						
Operating Temperature	_	-20 ~ +70°C (-20 ~ +50°C: 100%, +60°C: 70%, +70°C: 40%)						

^(*1) Refer to Terminal connection

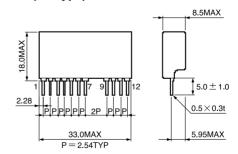
Outline drawing PV1R5 (1.5W type)



5 : TRM Output voltage setting pin 1:+V Output pin

2,3: NC No connect 7,8 : -V Input pin 4 : -V Output pin 9,10: +V Input pin

PV3 (3W type)



1,2: +V Output pin 7 : TRM Output voltage setting pin

3,4: NC No connect 9,10 : -V Input pin 5,6: -V Output pin 11,12: +V Input pin

Terminal connection

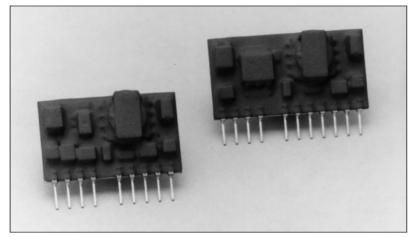
Output voltage can be adjusted by TRM terminal.

Output power must be within the rating, when increasing the output voltage. PP1R5 (1.5W type) 12V output: 5pin open 15V output: 5pin to 4pin connected PP3 (3W type) 12V output: 7pin open 15V output: 7pin to 5pin (6pin) connected

(5V type adjustable to 6V)

^(*2) External capacitors are required at both input and output.

^(*3) Over current protection: Output current limiting automatic recovery. Avoid to operate overload or dead short for more than 30 seconds.





Features

- Input/Output isolation
- Single in-line type
- Over current protection
- Adjustable output voltage

■ PVD1R5 (1.5W type) Specifications

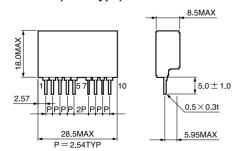
Model		PVD1R5-5-1212		PVD1R5-12-1212		PVD1R5-24-1212		PVD1R5-48-1212	
Input Voltage	Vdc	5VDC (4.5~9.0V)		12VDC (9~18V)		24VDC (18~36V)		48VDC (36~72V)	
Output Voltage (*1)	Vdc	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)
Output Current (max)	mA	0 ~ ±60	(0 ~ ±50)	0 ~ ±60	(0 ~ ±50)	0 ~ ±60	(0 ~ ±50)	0 ~ ±60	(0 ~ ±50)
Output Power (max)	W	1.44	(1.5)	1.44	(1.5)	1.44	(1.5)	1.44	(1.5)
Withstand Voltage	_	Input to Outpo	Input to Output : 500VAC for 1 minute						
Cooling	_	Convection cooling							
Operating Temperature	_	-20 ~ +70°C (-20 ~ +50°C: 100%, +70°C: 50%)							

■ PVD3 (3W type) Specifications

Model		PVD3-5-1212		PVD3-12-1212		PVD3-24-1212		PVD3-48-1212	
Input Voltage	Vdc	5VDC (4.5~9.0V)		12VDC (9~18V)		24VDC (18~36V)		48VDC (36~72V)	
Output Voltage (*1)	Vdc	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)
Output Current (max)	mA	0 ~ ±125	(0 ~ ±100)	0 ~ ±125	(0 ~ ±100)	0 ~ ±125	(0 ~ ±100)	0 ~ ±125	(0 ~ ±100)
Output Power (max)	W	3.0		3.0		3.0		3.0	
Withstand Voltage	_	Input to Output	Input to Output : 500VAC for 1 minute						
Cooling	_	Convection cooling							
Operating Temperature	_	-20 ~ +70°C (-20 ~ +50°C: 100%, +70°C: 50%)							

^(*1) Refer to Terminal connection

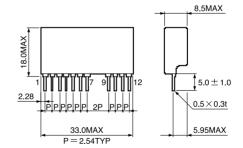
Outline drawing PVD1R5 (1.5W type)



1 : +V Output pin 5 : TRM Output voltage setting pin

2,3: Common ground pin 7,8: -V Input pin 4:-V Output pin 9,10: +V Input pin

PVD3 (3W type)



1,2: +V Output pin 7 : TRM Output voltage setting pin

3,4: Common ground pin 9,10 : -V Input pin 5,6: -V Output pin 11,12: +V Input pin

Terminal connection

Output voltage can be adjusted by TRM terminal.

Output power must be within the rating, when increasing the output voltage.

PPD1R5 (1.5W type) \pm 12V output: 5pin open \pm 15V output: 5pin to 4pin connected PPD3 (3W type) \pm 12V output: 7pin open \pm 15V output: 7pin to 5pin (6pin) connected

^(*2) External capacitors are required at both input and output.

^(*3) Over current protection: Output current limiting automatic recovery. Avoid to operate overload or dead short for more than 30 seconds.